

Claims

1. Telecommunications terminal comprising a user interface function for a plurality of telecommunications connections,
5 comprising selection means for inputting telecommunications connection data, call signaling means for signaling incoming calls to one of the telecommunications connections,
10 input means for inputting outgoing messages, output means for outputting incoming messages and a local-area radio transceiver for wireless message traffic, permitting the transmission of the telecommunications connection data and outgoing messages to at least one external
15 gateway and the receipt of call signals and incoming messages from said at least one external gateway for establishing at least one of the telecommunications connections.
2. Telecommunications terminal according to claim 1,
20 characterized by precisely one internal gateway for connecting to a mobile radiocommunications network, to which gateway the selection means, call signaling means, input means and output means are connected via internal lines such that the telecommunications terminal is configured as a complete mobile
25 radiocommunications terminal.
3. Telecommunications terminal according to claim 1 or claim 2, characterized by a local-area radio transceiver according to the Bluetooth standard, comprising loadware adapted for
30 connecting to the, or to each, gateway.
4. Telecommunications terminal according to claim 1 or claim 2, characterized by a radio transceiver of the wireless LAN type,

comprising loadware adapted for connecting to the, or to each, gateway.

5. Telecommunications terminal according to any one of the preceding claims, characterized by a user-data memory, assigned to the selection means, for user-specific data, in particular an address-book memory for storing the connection-data records of a plurality of predetermined connections which can be established with the external gateway or gateways and 10 optionally an internal gateway.

6. Telecommunications terminal according to any one of the preceding claims, characterized by processing and memory means, independent of telecommunications functions, for implementing a 15 PDA functionality.

7. Telecommunications terminal according to any one of the preceding claims, characterized by authentication-data input means for inputting authentication data of a user, which means 20 are connected to the local-area radio transceiver for transmitting authentication data to the, or to each, external gateway.

8. Telecommunications assembly comprising at least one 25 telecommunications terminal according to any one of the preceding claims and a plurality of external gateways.

9. Telecommunications assembly according to claim 8, characterized in that at least one of the external gateways has 30 no internal selection means, call signaling means, input means and output means typical of terminals.

10. Telecommunications assembly according to claim 8 or 9,

- characterized in that the, or each, telecommunications terminal has authentication-data input and checking means for inputting and checking authentication data of a user, which means are connected to the local-area radio transceiver for transmitting the authentication data externally, and the, or each, external gateway connectable hereto for receiving the authentication data has configured local-area radio receiving means for receiving the authentication data and access control means connected hereto for releasing or blocking message traffic with the sending telecommunications terminal in response to the result of a check of the authentication data received.
11. Telecommunications assembly according to any one of claims 8 to 10, characterized in that the local area radio receiver of the, or each, external gateway has a threshold discriminator for detecting entry into the radio transmission range of the, or of a, telecommunications terminal and a communications-start control device connected to the output of the threshold discriminator for initiating a communications start procedure with the telecommunications terminal concerned, such that upon entry into the radio transmission range, optionally subject to a positive authentication check, message traffic is established between the telecommunications terminal and the gateway.
- 25 12. Telecommunications assembly according to any one of claims 8 to 11, characterized by a plurality of telecommunications terminals according to any one of claims 1 to 7, the local-area radio transceivers of which are configured for directly exchanging messages with one another, without the intermediate connection of an external network.